



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 10301211
SAU: Caribou School Department
School: Caribou Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2008

Grade: 8

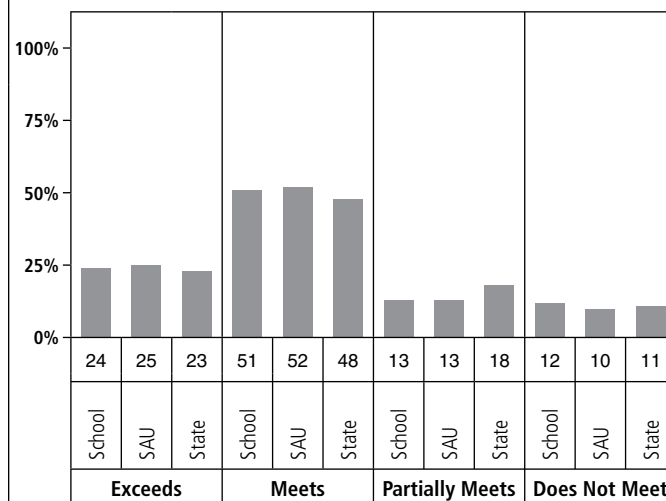
SAU: Caribou School Department

School: Caribou Middle School

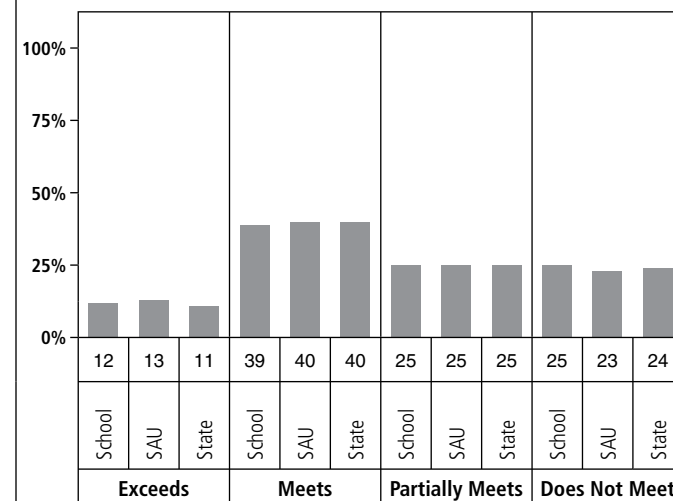
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	837	837	845
2006–2007	849	848	847
2007–2008	851	852	849
Cum. Avg. *	845	845	847
Mathematics			
2005–2006	834	835	840
2006–2007	841	840	842
2007–2008	841	842	841
Cum. Avg. *	838	839	841
Science & Technology			
2005–2006	839	840	846
2006–2007	849	848	847
2007–2008	848	849	847
Cum. Avg. *	845	845	847

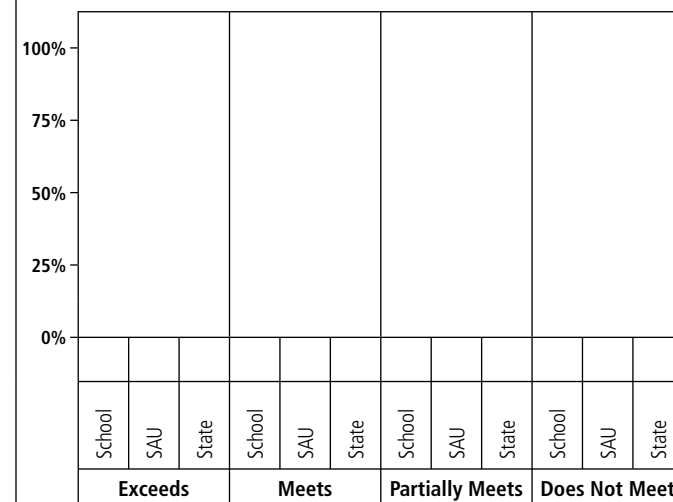
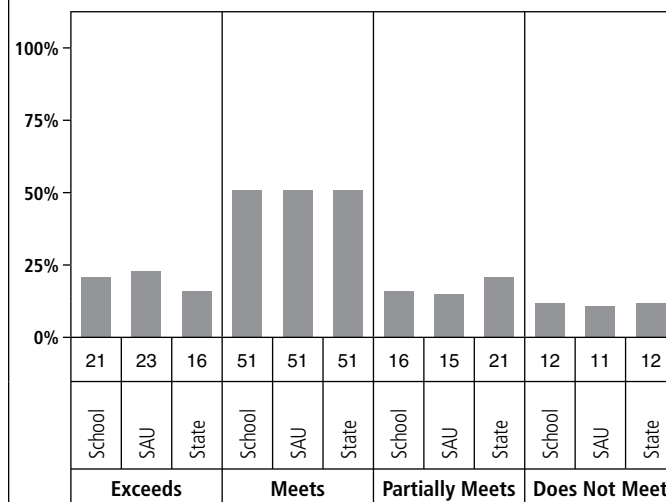
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: Caribou School Department
 School: Caribou Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	114	100	104	100	15274	100	113	99	103	99	15102	99	112	98	102	98	15097	99	112	98	102	98	15080	99						
Ethnicity African American/Black	3	3	2	2	368	2	3	100	2	100	356	97	3	100	2	100	360	98	3	100	2	100	356	97						
American Indian or Native Alaskan	1	1	1	1	120	1	1	100	1	100	117	98	1	100	1	100	117	98	1	100	1	100	117	98						
Asian or Pacific Islander	3	3	3	3	186	1	3	100	3	100	181	97	3	100	3	100	182	98	3	100	3	100	182	98						
Hispanic	0	0	0	0	139	1	0	0	0	0	136	98	0	0	0	0	136	98	0	0	0	0	136	98						
Caucasian/White	107	94	98	94	14461	95	106	99	97	99	14312	99	105	98	96	98	14302	99	105	98	96	98	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	10	9	7	7	2508	16	10	100	7	100	2446	98	10	100	7	100	2441	98	10	100	7	100	2431	98						
Current LEP	3	3	3	3	327	2	3	100	3	100	316	97	3	100	3	100	322	99	3	100	3	100	322	99						
Economically disadvantaged	56	49	51	49	5420	35	55	98	50	98	5329	99	54	96	49	96	5324	99	54	96	49	96	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	109	96	100	96	12703	83	108	95	99	95	12694	83	108	95	99	95	12710	83						
Identified disability (PET/IEP)	7	6	5	5	437	3	7	6	5	5	421	3	7	6	5	5	445	4						
LEP	2	2	2	2	172	1	2	2	2	2	172	1	2	2	2	2	173	1						
504 plan	2	2	2	2	229	2	2	2	2	2	231	2	2	2	2	2	230	2						
Participation with accommodations	2	2	2	2	2221	15	2	2	2	2	2227	15	2	2	2	2	2197	14						
Identified disability (PET/IEP)	1	50	1	50	1832	82	1	50	1	50	1844	83	1	50	1	50	1813	83						
LEP	1	50	1	50	136	6	1	50	1	50	143	6	1	50	1	50	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	2	2	1	1	177	1	2	2	1	1	176	1	2	2	1	1	173	1						
Identified disability (PET/IEP)	2	100	1	100	177	100	2	100	1	100	176	100	2	100	1	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	1	1	1	1	140	1	2	2	2	2	143	1	2	2	2	2	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 8
SAU: Caribou School Department
School: Caribou Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	12	9	11	9	2695	17
	2006-2007	25	23	22	22	2407	16
	2007-2008	27	24	26	25	3428	23
	Cum. Total*	64	18	59	18	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	43	34	41	35	6830	42
	2006-2007	55	50	48	48	7494	49
	2007-2008	57	51	53	52	7179	48
	Cum. Total*	155	44	142	44	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	25	20	23	19	3741	23
	2006-2007	18	16	18	18	3628	24
	2007-2008	14	13	13	13	2706	18
	Cum. Total*	57	16	54	17	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	47	37	43	36	3003	18
	2006-2007	13	12	13	13	1810	12
	2007-2008	13	12	10	10	1611	11
	Cum. Total*	73	21	66	21	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	37.7	67.3	38.2	68.2	36.9	65.9
Literary Text	28	50	18.8	67.1	19.1	68.2	18.3	65.4
Informational Text	28	50	18.9	67.5	19.0	67.9	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Caribou School Department
 School: Caribou Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	111	27	24	57	51	14	13	13	12	851	102	25	52	13	10	852	14924	23	48	18	11	849
Ethnicity																						
African American/Black	3										2						348	11	38	22	29	840
American Indian or Native Alaskan	1										1						117	9	43	29	19	842
Asian or Pacific Islander	3										3						179	32	39	18	11	852
Hispanic	0										0						131	18	38	27	17	846
Caucasian/White	104	26	25	53	51	13	13	12	12	851	96	26	51	14	9	852	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	3	38	2	25	3	38	835	6	0	33	17	50	834	2269	3	24	32	42	833
No	103	27	26	54	52	12	12	10	10	852	96	27	53	13	7	853	12655	27	52	16	5	852
Current LEP																						
Yes	3										3						308	8	30	27	34	837
No	108	27	25	55	51	14	13	12	11	851	99	26	52	13	9	852	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	54	5	9	30	56	10	19	9	17	846	49	10	55	18	16	846	5222	12	44	25	19	843
No	57	22	39	27	47	4	7	4	7	856	53	40	49	8	4	857	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	111	27	24	57	51	14	13	13	12	851	102	25	52	13	10	852	14917	23	48	18	11	849
Gender																						
Female	57	19	33	29	51	7	12	2	4	856	54	33	50	13	4	856	7198	30	48	15	7	853
Male	54	8	15	28	52	7	13	11	20	846	48	17	54	13	17	847	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	19	0	0	10	53	5	26	4	21	840	17	0	53	29	18	840	807	9	41	32	18	842
No	92	27	29	47	51	9	10	9	10	853	85	31	52	9	8	854	14117	24	49	17	10	850
Gifted/talented program																						
Yes	6	6	100	0	0	0	0	0	0	869	6	100	0	0	0	869	592	71	28	1	0	867
No	105	21	20	57	54	14	13	13	12	850	96	21	55	14	10	851	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 8

SAU: Caribou School Department

School: Caribou Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	0	0	4	50	1	13	3	38	835	5	0	40	20	40	833	9	10	39	24	26	841
B. less than one hour	40	6	14	24	55	9	20	5	11	848	41	15	56	22	7	849	46	20	50	20	11	849
C. one to two hours	45	17	34	26	52	3	6	4	8	856	47	34	53	4	9	856	41	28	49	15	7	852
D. more than two hours	7	4	50	3	38	1	13	0	0	860	8	50	38	13	0	860	5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	38	13	31	23	55	3	7	3	7	856	38	32	55	5	8	856	33	31	48	14	7	853
B. They match some of what I have learned.	48	10	19	28	53	9	17	6	11	848	49	20	53	18	8	849	53	21	51	19	9	849
C. They match just a little of what I have learned.	12	4	31	5	38	1	8	3	23	850	12	33	42	8	17	853	11	14	41	25	20	844
D. There is no match.	2	0	0	1	50	1	50	0	0	845	2	0	50	50	0	845	3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	26	12	41	14	48	3	10	0	0	859	27	41	48	11	0	859	31	42	44	8	6	857
B. good	53	15	26	31	53	7	12	5	9	852	53	28	54	11	7	853	49	19	54	19	9	849
C. fair	17	0	0	10	53	3	16	6	32	839	16	0	56	19	25	841	18	5	42	31	22	840
D. poor	4	0	0	2	50	1	25	1	25	842	4	0	50	25	25	842	2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	15	1	6	6	38	5	31	4	25	840	13	8	38	31	23	841	15	16	44	22	18	845
B. about the same as my regular schoolwork	74	22	28	42	53	8	10	7	9	853	76	29	54	11	7	854	65	23	49	18	9	850
C. easier than my regular schoolwork	11	4	33	6	50	1	8	1	8	853	11	27	55	9	9	851	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	11	1	8	4	33	3	25	4	33	840	11	9	36	27	27	842	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	61	15	23	37	56	7	11	7	11	851	63	23	56	11	9	852	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	28	11	35	15	48	4	13	1	3	856	26	38	50	12	0	858	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	51	13	23	30	54	6	11	7	13	852	53	24	56	11	9	852	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	45	13	26	26	52	7	14	4	8	852	44	27	52	14	7	853	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	4	1	25	1	25	1	25	1	25	839	3	33	0	33	33	837	6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	12	5	38	8	62	0	0	0	0	858	12	42	58	0	0	859	18	31	47	13	9	852
B. 20 minutes to an hour	35	12	32	21	55	4	11	1	3	857	35	31	57	9	3	858	41	28	49	15	7	852
C. less than 20 minutes	15	5	31	7	44	1	6	3	19	853	14	36	43	7	14	854	13	20	49	18	12	848
D. I rarely read at home.	39	5	12	21	49	9	21	8	19	844	40	13	50	23	15	845	28	12	47	26	16	844
How do you feel about the following statement? <i>"My knowledge of reading will be useful to me as an adult."</i>																						
A. strongly agree	53	20	34	27	47	5	9	6	10	854	52	36	47	9	8	855	43	31	48	14	7	853
B. agree	45	7	14	29	58	8	16	6	12	849	46	15	59	15	11	849	48	18	50	20	12	848
C. disagree	1	0	0	1	100	0	0	0	0	842	1	0	100	0	0	842	6	11	43	24	21	843
D. strongly disagree	1	0	0	0	0	1	100	0	0	832	1	0	0	100	0	832	2	6	36	32	26	839
Optional school/SAU question																						
A.	0										0											
B.	50	0	0	0	0	0	0	1	100	828	100	0	0	0	100	828						
C.	50	0	0	0	0	0	0	1	100	822	0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number

MATHEMATICS RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Caribou School Department
School:	Caribou Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	5	4	5	4	1714	11
	2006-2007	10	9	7	7	1952	13
	2007-2008	13	12	13	13	1657	11
	Cum. Total*	28	8	25	8	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	41	33	39	33	5533	34
	2006-2007	53	48	48	48	5870	38
	2007-2008	43	39	40	40	5956	40
	Cum. Total*	137	39	127	40	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	31	25	29	25	4764	29
	2006-2007	21	19	19	19	3982	26
	2007-2008	27	25	25	25	3729	25
	Cum. Total*	79	23	73	23	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	49	39	44	38	4251	26
	2006-2007	27	24	27	27	3534	23
	2007-2008	27	25	23	23	3579	24
	Cum. Total*	103	30	94	29	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	8.5	53.1	8.7	54.4	8.4	52.5
Cluster 2: Shape and Size	14	25	5.3	37.9	5.5	39.3	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.5	56.3	4.6	57.5	4.6	57.5
Cluster 4: Patterns	18	32	9.4	52.2	9.6	53.3	8.9	49.4

Cluster 1: Numbers and Operations
 A. Numbers and Number Sense
 B. Computation
 I. Discrete Mathematics (grades 3 and 4 only)

Cluster 2: Shape and Size
 E. Geometry
 F. Measurement

Cluster 3: Mathematical Decision Making
 C. Data Analysis and Statistics
 D. Probability

Cluster 4: Patterns
 G. Patterns, Relations, and Functions
 H. Algebra Concepts
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Caribou School Department
 School: Caribou Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	110	13	12	43	39	27	25	27	25	841	101	13	40	25	23	842	14921	11	40	25	24	841
Ethnicity																						
African American/Black	3										2						352	2	23	23	52	828
American Indian or Native Alaskan	1										1						117	5	22	33	39	832
Asian or Pacific Islander	3										3						181	24	42	20	14	848
Hispanic	0										0						131	7	34	26	33	836
Caucasian/White	103	12	12	40	39	27	26	24	23	841	95	13	39	26	22	842	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	0	0	2	25	6	75	817	6	0	0	17	83	813	2265	1	14	22	62	824
No	102	13	13	43	42	25	25	21	21	843	95	14	42	25	19	844	12656	13	45	26	17	844
Current LEP																						
Yes	3										3						315	5	24	20	51	828
No	107	12	11	43	40	26	24	26	24	841	98	12	41	24	22	842	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	53	4	8	15	28	12	23	22	42	834	48	8	27	23	42	835	5217	5	30	29	37	834
No	57	9	16	28	49	15	26	5	9	847	53	17	51	26	6	848	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	110	13	12	43	39	27	25	27	25	841	101	13	40	25	23	842	14914	11	40	25	24	841
Gender																						
Female	57	7	12	25	44	12	21	13	23	842	54	13	44	20	22	842	7199	11	40	26	23	841
Male	53	6	11	18	34	15	28	14	26	840	47	13	34	30	23	841	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	18	0	0	2	11	6	33	10	56	828	16	0	6	38	56	829	806	3	20	30	47	831
No	92	13	14	41	45	21	23	17	18	844	85	15	46	22	16	844	14115	12	41	25	23	842
Gifted/talented program																						
Yes	6	3	50	3	50	0	0	0	0	862	6	50	50	0	0	862	592	58	39	2	1	864
No	104	10	10	40	38	27	26	27	26	840	95	11	39	26	24	841	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Caribou School Department
School: Caribou Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	0	0	1	13	4	50	3	38	827	5	0	0	60	40	824	9	5	30	23	41	833
B. less than one hour	40	6	14	13	30	10	23	15	34	838	41	15	29	24	32	839	46	10	40	26	25	840
C. one to two hours	45	5	10	26	52	11	22	8	16	845	47	11	53	21	15	846	41	14	42	25	19	843
D. more than two hours	7	2	25	3	38	2	25	1	13	846	8	25	38	25	13	846	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	39	5	12	18	42	11	26	9	21	842	39	13	41	26	21	843	30	17	43	22	18	845
B. They match some of what I have learned.	50	7	13	20	36	15	27	13	24	842	50	14	37	27	22	842	50	10	42	26	22	841
C. They match just a little of what I have learned.	8	1	11	5	56	1	11	2	22	841	8	13	63	13	13	846	17	6	32	29	33	836
D. There is no match.	3	0	0	0	0	0	0	3	100	815	3	0	0	0	100	815	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	28	10	32	11	35	5	16	5	16	849	29	34	34	14	17	850	26	29	46	14	11	851
B. good	45	2	4	25	51	11	22	11	22	840	46	4	52	24	20	841	45	7	46	27	20	841
C. fair	26	1	3	7	24	11	38	10	34	834	25	4	24	40	32	835	23	1	26	34	38	833
D. poor	1	0	0	0	0	0	0	1	100	814	1	0	0	0	100	814	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	27	2	7	5	17	12	41	10	34	833	27	7	19	44	30	834	34	4	35	28	32	836
B. about the same as my regular schoolwork	54	4	7	26	44	13	22	16	27	840	53	8	43	23	26	840	52	10	43	26	21	842
C. easier than my regular schoolwork	19	7	33	12	57	2	10	0	0	855	20	35	60	5	0	856	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	43	6	13	18	39	10	22	12	26	841	43	14	40	23	23	842	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	51	7	13	22	40	13	24	13	24	842	52	14	39	24	24	842	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	6	0	0	3	43	3	43	1	14	841	5	0	60	40	0	848	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	3	0	0	0	0	2	67	1	33	829	3	0	0	67	33	829	9	6	38	27	29	837
B. two or three days a week	8	0	0	0	0	1	11	8	89	819	7	0	0	14	86	822	16	8	38	27	27	839
C. two or three times each month	44	0	0	17	35	18	38	13	27	836	44	0	34	41	25	836	28	12	41	27	21	843
D. never or almost never	45	13	26	26	52	6	12	5	10	851	47	28	53	9	11	851	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	63	5	7	28	41	19	28	17	25	840	63	8	41	30	22	841	38	14	42	23	21	843
B. two or three times a week	22	4	17	12	50	4	17	4	17	845	21	19	52	10	19	845	33	10	41	26	23	841
C. two or three times each month	8	3	33	2	22	2	22	2	22	848	8	38	25	25	13	851	18	10	36	27	27	840
D. never or almost never	7	1	13	1	13	2	25	4	50	832	8	13	13	25	50	832	11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	60	9	14	25	38	15	23	17	26	841	62	14	38	24	24	842	54	14	44	23	18	844
B. agree	36	4	10	18	45	11	28	7	18	843	35	11	46	26	17	844	38	8	36	27	28	838
C. disagree	1	0	0	0	0	1	100	0	0	832	1	0	0	100	0	832	6	6	31	28	36	835
D. strongly disagree	3	0	0	0	0	0	0	3	100	821	2	0	0	0	100	821	2	3	23	25	49	831
Optional school/SAU question																						
A.	0										0											
B.	50	0	0	0	0	1	100	0	0	832	100	0	0	100	0	832						
C.	50	0	0	0	0	0	0	1	100	820	0											
D.	0										0											

SCIENCE AND TECHNOLOGY RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Caribou School Department
School:	Caribou Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	5	4	5	4	1879	12
	2006-2007	19	17	17	17	2192	14
	2007-2008	23	21	23	23	2371	16
	Cum. Total*	47	13	45	14	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	54	42	52	44	8604	53
	2006-2007	57	51	50	50	7916	52
	2007-2008	56	51	52	51	7630	51
	Cum. Total*	167	48	154	48	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	33	26	29	24	3618	22
	2006-2007	25	23	24	24	3340	22
	2007-2008	18	16	15	15	3175	21
	Cum. Total*	76	22	68	21	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	36	28	33	28	2174	13
	2006-2007	10	9	10	10	1865	12
	2007-2008	13	12	11	11	1731	12
	Cum. Total*	59	17	54	17	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.1	57.9	8.3	59.3	8.1	57.9
Cluster 2: Physical Sciences	14	25	7.7	55.0	7.7	55.0	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	7.8	55.7	8.0	57.1	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.5	60.7	8.6	61.4	8.5	60.7

- Cluster 1: Life Sciences**
 A. Classifying Life Forms
 B. Ecology
 C. Cells
- Cluster 2: Physical Sciences**
 E. Structure of Matter
 H. Energy
 I. Motion
- Cluster 3: Earth and Space Sciences**
 D. Continuity and Change
 F. The Earth
 G. The Universe
- Cluster 4: Nature and Implications of Science**
 J. Inquiry and Problem Solving
 K. Scientific Reasoning
 L. Communication
 M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Caribou School Department
 School: Caribou Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	110	23	21	56	51	18	16	13	12	848	101	23	51	15	11	849	14907	16	51	21	12	847
Ethnicity																						
African American/Black	3										2						349	4	35	26	34	837
American Indian or Native Alaskan	1										1						117	8	40	28	24	840
Asian or Pacific Islander	3										3						181	20	50	15	15	849
Hispanic	0										0						131	5	50	22	23	842
Caucasian/White	103	21	20	54	52	17	17	11	11	848	95	22	53	15	11	849	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	0	0	2	25	6	75	827	6	0	0	17	83	825	2258	3	29	31	37	836
No	102	23	23	56	55	16	16	7	7	850	95	24	55	15	6	850	12649	18	55	20	7	850
Current LEP																						
Yes	3										3						315	4	29	25	42	834
No	107	22	21	55	51	18	17	12	11	848	98	22	52	15	10	849	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	53	6	11	24	45	12	23	11	21	843	48	13	46	23	19	843	5206	8	45	28	20	842
No	57	17	30	32	56	6	11	2	4	853	53	32	57	8	4	854	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	110	23	21	56	51	18	16	13	12	848	101	23	51	15	11	849	14900	16	51	21	12	847
Gender																						
Female	57	12	21	28	49	13	23	4	7	848	54	22	48	22	7	848	7196	14	52	23	12	847
Male	53	11	21	28	53	5	9	9	17	848	47	23	55	6	15	850	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	18	1	6	8	44	4	22	5	28	840	16	6	44	25	25	840	804	6	38	34	22	841
No	92	22	24	48	52	14	15	8	9	850	85	26	53	13	8	851	14103	16	52	21	11	848
Gifted/talented program																						
Yes	6	5	83	1	17	0	0	0	0	866	6	83	17	0	0	866	592	63	35	1	0	865
No	104	18	17	55	53	18	17	13	13	847	95	19	54	16	12	848	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Caribou School Department
 School: Caribou Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	0	0	2	25	3	38	3	38	835	5	0	20	20	60	829	9	10	40	26	23	842
B. less than one hour	40	9	20	20	45	10	23	5	11	847	41	22	46	22	10	848	46	14	52	22	12	847
C. one to two hours	45	12	24	30	60	4	8	4	8	851	47	26	60	9	6	852	41	19	53	19	9	849
D. more than two hours	7	2	25	4	50	1	13	1	13	851	8	25	50	13	13	851	5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	30	7	21	19	58	5	15	2	6	849	31	23	55	16	6	849	29	19	54	19	9	849
B. They match some of what I have learned.	55	12	20	28	46	11	18	10	16	847	53	22	48	15	15	848	49	16	51	22	11	848
C. They match just a little of what I have learned.	12	4	31	7	54	2	15	0	0	855	13	31	54	15	0	855	18	13	51	23	13	846
D. There is no match.	3	0	0	2	67	0	0	1	33	845	3	0	67	0	33	845	5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	20	8	36	7	32	4	18	3	14	851	20	40	30	20	10	853	23	28	51	13	8	853
B. good	62	15	22	36	53	11	16	6	9	849	62	24	52	14	10	849	54	15	55	21	9	848
C. fair	16	0	0	12	67	3	17	3	17	843	16	0	75	13	13	844	20	5	45	32	18	842
D. poor	2	0	0	1	50	0	0	1	50	840	2	0	50	0	50	840	3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	19	5	24	12	57	2	10	2	10	850	20	25	60	10	5	852	27	15	49	22	14	846
B. about the same as my regular schoolwork	73	17	21	38	48	15	19	10	13	848	71	24	47	17	13	849	59	15	53	22	10	848
C. easier than my regular schoolwork	8	1	11	6	67	1	11	1	11	845	9	11	67	11	11	845	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	50	14	25	26	47	11	20	4	7	848	51	27	48	19	6	849	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	49	9	17	29	54	7	13	9	17	848	48	19	54	10	17	849	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	1	0	0	1	100	0	0	0	0	852	1	0	100	0	0	852	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	19	3	15	12	60	2	10	3	15	847	17	18	65	6	12	849	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	26	9	32	13	46	4	14	2	7	851	27	33	44	15	7	851	24	18	53	20	10	849
C. the course(s) described in B, plus physics	25	9	33	13	48	4	15	1	4	854	27	33	48	15	4	854	22	30	47	14	8	853
D. a life science and physical science class	31	2	6	17	52	7	21	7	21	842	29	7	52	21	21	842	29	8	52	27	14	844
How do you feel about the following statement? <i>"My knowledge of science and technology will be useful to me as an adult."</i>																						
A. strongly agree	39	12	28	22	51	4	9	5	12	850	41	29	51	10	10	850	27	23	51	17	9	851
B. agree	50	11	20	27	50	11	20	5	9	849	48	23	50	19	8	849	54	15	53	21	11	847
C. disagree	9	0	0	5	50	3	30	2	20	841	9	0	56	22	22	842	15	10	50	26	14	845
D. strongly disagree	2	0	0	1	50	0	0	1	50	840	2	0	50	0	50	840	4	7	39	30	24	841
How well does the following statement reflect your future goals? <i>"I am interested in a career related to science, technology, engineering, or mathematics."</i>																						
A. strongly agree	32	10	29	13	37	5	14	7	20	848	32	31	38	13	19	849	25	24	52	15	8	851
B. agree	32	7	20	21	60	5	14	2	6	849	34	21	62	15	3	850	37	15	50	22	12	847
C. disagree	25	5	19	14	52	5	19	3	11	848	24	21	54	13	13	848	26	12	53	23	12	846
D. strongly disagree	12	1	8	8	62	3	23	1	8	846	11	9	55	27	9	846	12	8	48	28	15	844
Optional school/SAU question																						
A.	0										0											
B.	50	0	0	0	0	0	0	1	100	828	100	0	0	0	100	828						
C.	50	0	0	0	0	1	100	0	0	838	0											
D.	0										0											